

# Job Title: Hot Cell Complex Project Leader ENGN-004

Req ID **819** - Posted **12/10/2019** - (France, 13067 St Paul Lez Duranc) - **Design Engineering - New Posting**

The ITER Organization brings together people from all over the world to be part of a thrilling human adventure in southern France—building the ITER Tokamak. We require the best people in every domain.

We offer challenging full time assignments in a wide range of areas and encourage applications from candidates with all levels of experience, from recent graduates to experienced professionals. Applications from under-represented ITER Members and from female candidates are strongly encouraged as the ITER Organization supports diversity and gender equality in the workplace.

Our working environment is truly multi-cultural, with 29 different nationalities represented among staff. The ITER Organization Code of Conduct gives guidance in matters of professional ethics to all staff and serves as reference for the public with regards to the standards of conduct that third parties are entitled to expect when dealing with the ITER Organization.

The south of France is blessed with a very privileged living environment and a mild and sunny climate. The ITER Project is based in Saint Paul-lez-Durance, located between the southern Alps and the Mediterranean Sea—an area offering every conceivable sporting, leisure and cultural opportunity.

**Application deadline:** 10/11/2019

**Domain:** Engineering

**Department:** Engineering Design

**Division:** Remote Handling & Rad-waste Management

**Section:** Not Applicable

**Job Family:** Project Engineering

**Job Role:** Coordinating/Expert Engineer

**Job Grade:** P5/P6

**Language requirements:** Fluent in English (written & spoken)

**Contract duration:** Up to 5 years

## Purpose

As Project Leader, you will manage the ITER Hot Cell Complex (HCC), also deputy of the Project Integrated Team Leader, in charge of the overall design and construction of the ITER Buildings, site Infrastructures and Power Supplies distribution (BIPS-HCC). You will assure integration between the activities of design and engineering from ITER Organization (IO) and the European Domestic Agency (F4E) in charge of the successful execution of the project up to the completion of the procurement process and selection of required technologies for waste management and decontamination process. You will define, with IO colleagues and F4E management, the optimum procurement & implementation strategy for the HCC. Validating the required R&D for specific waste management process and decommissioning strategy at the proper time Through close collaboration with the BIPS-HCC Project Team Leader, this role ensures the resources & availability for the HCC design, procurement, assembly, installation and commissioning as well as the proper integration among civil structures design and erection as well as plant design and installation up to commissioning.

**This role reports directly on its activity within the BIPS-HCC Project Team to the IO Director-General and, as needed, to the relevant BIPS-HCC Steering Board.**

**Background :** The ITER Hot Cell Complex (HCC) facility supports the operation, maintenance, and decontamination of the ITER Tokamak Machine during Operation, as well as assuring radwaste processing and interim storage facility during ITER plant life.

## Major Duties, Roles & Responsibilities

- Presents Hot Cell Complex proposals to the BIPS-HCC Steering Board as jointly developed within the Integrated Project Team;

- Manages and coordinates the HCC project in cooperation with all Safety Responsible Officers (SRO) involved, ensuring future tokamak maintenance and radwaste requirements of the ITER Project are satisfied;
- Assures satisfaction of time schedule and budget in terms of commitments and payments for the HCC Activities;
- Supervises the preparation of detailed specifications for calls for tender, and follows-up on progress of technical aspects;
- Assures contracts implementation respecting commitments and milestones achievements in the frame of planned production at cost; for engineering / procurement and installation activities;
- Collaborates with SRO to ensure definition of the technical, functional and safety requirements and the proper definition of interfaces between buildings, services, and systems;
- Confirms the definition of functional and safety requirements of buildings, services, facility integration and processes to be frozen before the activation of the design phase of the HCC, as well as related interfaces;
- Assures the implementation of the technical specifications, and the pre-conceptual design phase for the following phases of design, construction and commissioning;
- Assures the implementation of engineering and design activities together with Integrator-Architect-Engineer contract(s), within the agreed delivery schedule of the Hot Cell Complex for the Pre-Fusion Power Operation;
- Represents the HCC Team in meetings with ITER Organization (IO), F4E, suppliers and other Industrial Partners;
- Produces reports as required to the IO/F4E project control;
- Assures Quality Assurance Plan implementation as well as achievements of all nuclear safety objectives;
- Leads, engages and motivates the Project Team to deliver on time, quality work product;
- Advances the design, procurement and work schedule as much as possible;
- May be required to work outside ITER Organization reference working hours, including nights, week-ends and public holidays.

## Measure of Effectiveness

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- Hot Cell Complex designs meet requirements;
- Design and construction are in line with the approved requirements, schedule, objectives, and budget;
- Deliverables meet safety and quality standards;
- Production and maintenance of documents, reports, and data management within defined timelines;
- All interfaces are well defined and of high quality;
- Developed and approved installation plans within the defined schedule and cost;
- Successful collaboration with the integrated project team.

## Experience & Profile

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- **Professional Experience:**
  - At least 15 years' experience (20 years for P6 grade) in design, engineering, procurement, and plant installation activities in nuclear environments;
  - Demonstrated experience in large contract management, experience in international projects;
  - Qualified knowledge of nuclear safety environment and experience in hot cell projects is an advantage;
  - Experience in civil works, services, remote handling and overall hot cell / waste management Facility equipment is an advantage.
- **Education:**

- Master degree in Nuclear engineering; any other equivalent degree has to be supported by certified qualified experience in safety nuclear disciplines with dedicated qualified training.
- Certified project management is considered as an advantage;
- The required education degree may be substituted by extensive professional experience involving similar work responsibilities and/or additional training certificates in relevant domains.
- **Language requirements:**
  - Fluent in English (written and spoken);
  - Additional French language skills is an advantage.
- **Technical competencies and demonstrated experience in:**
  - Interface management: collaborating with technical, operational and contractual interfaces and proactively reaching resolution of issues to ensure effective communications with all stakeholders;
  - Project control and reporting: measuring progress of project work, managing risks, and reporting;
  - Proven experience specific to internationally recognized standards applicable to the Nuclear Buildings Industry such as ISO 9001:2015 or GS-R-3;
  - Demonstrated experience in complex technical nuclear project management, specific to managing complex and high value contracts, controlling the deliverables in regard to the safety, technical, schedule and costs requirements;
  - Proven experience coordinating teams with multiple stakeholders;
  - Demonstrated experience in effective Quality Assurance and Quality Control management and implementation;
  - Experience anticipating and/or identifying issues, technical challenges, and risks in complex projects, and taking corrective action within scope of responsibility.
- **Behavioral Competencies:**
  - Collaborates: Ability to facilitate dialogue with a wide variety of contributors and stakeholders;
  - Communicates Effectively: Ability to adjust communication content and style to deliver messages to work effectively in a multi-cultural environment;
  - Drives results: Ability to persist in the face of challenges to meet deadlines with high standards;
  - Manages Complexity: Ability to analyze multiple and diverse sources of information to define problems accurately before moving to solutions;
  - Instills trust: Ability to model high standards of team mindset, trust, excellence, loyalty and integrity.

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***The following important information shall apply to all jobs at ITER Organization:***

- Maintains a strong commitment to the implementation and perpetuation of the ITER Safety Program, ITER Values (Trust; Loyalty; Integrity; Excellence; Team mind set; Diversity and Inclusiveness) and Code of Conduct;
- ITER Core technical competencies of 1) Nuclear Safety, environment, radioprotection and pressured equipment 2) Occupational Health, safety & security 3) Quality assurance processes. Knowledge of these competencies may be acquired through on-board training at basic understanding level for all ITER staff members;
- Implements the technical control of the Protection Important Activities, as well as their propagation to the entire supply chain;
- May be requested to work on beryllium-containing components. In this case, you will be required to follow the established ITER Beryllium Management Program for working safely with beryllium. Training and support will be provided by the ITER Organization;
- May be requested to be part of any of the project/construction teams and to perform other duties in support of the project;

- Informs the IO Director-General, Domain Head, or Department/Office Head of any important and urgent issues that cannot be handled by line management and that may jeopardize the achievement of the Project's objectives.